

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: Leon Bryn et al.
Filed: Herewith
Title: LOOM AND METHOD OF WEAVING THREE-DIMENSIONAL WOVEN FORMS
WITH INTEGRAL BIAS FIBERS
TC/A.U.:
Examiner:

Which is a divisional of:

Appln. No: 09/956,641
Applicant: Leon Bryn et al.
Filed: September 20, 2001
Title: THREE-DIMENSIONAL WOVEN FORMS WITH INTEGRAL BIAS FIBERS AND
BIAS WEAVING
TC/A.U.: 3765
Examiner: R. Muromoto, Jr.
Confirmation No.: 2287
Docket No.: BRM-100US

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Under 37 C.F.R. § 1.98(d), copies of the patents and publications listed on the enclosed PTO Form 1449 are not required to be provided, because they were cited by or submitted to the Patent and Trademark Office in prior application Serial No. 09/956,641, filed September 20, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,



Kevin R. Casey, Reg. No. 32,117
Lowell L. Carson, Reg. No. 48,548
Attorneys for Applicants

LLC/lrb

Enclosures: Form PTO/SB/08 (2 pgs.)

Dated: March 2, 2004

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(610) 407-0700

The Commissioner for Patents is hereby
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Account No. 18-0350 of any fees associated
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Date of Deposit: March 2, 2004

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Kathleen Libby

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Leon Bryn
Art Unit	
Examiner Name	
Attorney Docket No.	BRM-100US1

SHEET 1 of 2**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-6,129,122	10-10-2000	Bilisik	
	2	US-6,019,138	02-01-2000	Malek et al.	
	3	US-5,981,022	11-09-1999	Min et al.	
	4	US-5,783,279	07-21-1998	Edgson et al.	
	5	US-5,775,381	07-07-1998	Addis	
	6	US-5,657,795	09-19-1997	Sawko et al.	
	7	US-5,465,760	11-14-1995	Mohamed et al.	
	8	US-5,451,448	09-19-1995	Sawko et al.	
	9	US-5,435,352	07-25-1995	Yamamoto et al.	
	10	US-5,431,193	07-11-1995	Mood et al.	
	11	US-5,399,418	03-21-1995	Hartmanns et al.	
	12	US-5,394,906	03-07-1995	Farley	
	13	US-5,375,627	12-27-1994	Iida et al.	
	14	US-5,137,058	08-11-1992	Anahara et al.	
	15	US-5,085,252	02-04-1992	Mohamed et al.	
	16	US-Re. 33,418	11-06-1990	Krueger	
	17	US-4,782,864	11-08-1988	Abildskov	
	18	US-4,671,470	06-09-1987	Jonas	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	19	JP-8134747 (Abstract Only)	05-08-1996	Meidai Co. Ltd.		<input type="checkbox"/>
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						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

SHEET 2 of 2

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Leon Bryn
Art Unit	
Examiner Name	
Attorney Docket No.	BRM-100US1

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	20	S. Wilson et al., "SPARC" 5 Axis, 3D Woven, Low Crimp Preforms," 43rd International SAMPE Symposium and Exhibition May 31-June 4, 1998, published in Resin Transfer Molding, Society for the Advancement of Material and Process Engineering Monograph No. 3, at pages 101-113 (May 1999).	<input type="checkbox"/>
	21	S. Clarke, "Engineered Textile Preforms for RTM: A Comparison of Braiding, Knitting, and Weaving Technologies," 29th International SAMPE Technical Conference October 28-Nov. 1, 1997, published in Resin Transfer Molding, Society for the Advancement of Material and Process Engineering Monograph No. 3, at pages 15-23 (May 1999).	<input type="checkbox"/>
	22	H. Kipp, Narrow Fabric Weaving, pp. 221-227 (1989).	<input type="checkbox"/>
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			<input type="checkbox"/>

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

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